

SECRET

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

25X1

COUNTRY Germany (Soviet Zone)

REPORT NO.

25X1

25X1 SUBJECT Feinmessgerätekwerk Zwönitz Electronic Voltmeter Development

25X1

DATE DISTR. 4 MAR 54

NO. OF PAGES 1

NO. OF ENCLS.

SUPP. TO
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. THE REPRODUCTION OF THIS REPORT IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

25X1

1. A new electronic (vacuum-tube) voltmeter has been in development for the Red Army at the Zwönitz fine instrument works since September 1953. The development work was finished and production commenced at the beginning of December. So far, 7 apparatus have been asked for by the Soviet authority.
2. The apparatus has the following ranges: 1 volt, 3 volts, 5 volts, 10 volts, 30 volts, 100 volts, 300 volts. The plate resistance in these areas is 10 megohms (asymmetric).
3. The second measuring range has the following values: 2 volts, 6 volts, 12 volts, 20 volts, 60 volts, 200 volts, 600 volts, at 200 megohms plate resistance (asymmetric). The greatest sensible end deviation is at 1 volt. The frequency range is between 10 Hertz and 250 megahertz.
4. Current measurements are possible for direct as well as for alternating current to 30 KV. The accuracy is within approximately 2 percent at all scale graduations.
5. The apparatus is entirely independent of voltage fluctuations. The input resistance amounts to 20 or 10 megohms as the case may be.
4. Transformers and electrolytic condensers are delivered by the Leipzig RFT works.

LIBRARY SUBJECT & AREA CODES

- end -

12/741.751 4M/C(N)
12/741.751 N(JM)
2/741.751 4M/C

25X1

SECRET

DISTRIBUTION	STATE	ARMY	NAVY	AIR	FBI				
--------------	-------	------	------	-----	-----	--	--	--	--

This report is for the use within the CIA of the intelligence components of the Departments or Agencies indicated above. It is not to be transmitted overseas without the concurrence of the originating office through the Assistant Director of the Office of Collection and Dissemination, CIA.